

Title (en)
VIBRATION ISOLATOR

Title (de)
SCHWINGUNGSISOLATOR

Title (fr)
ISOLATEUR DE VIBRATIONS

Publication
EP 2733381 A1 20140521 (EN)

Application
EP 12814328 A 20120717

Priority
• JP 2011157004 A 20110715
• JP 2012068072 W 20120717

Abstract (en)
A vibration isolator includes an inner tube (11), an outer tube (12) surrounding the inner tube (11) from a radial outer side of the inner tube, and an elastic body (13) coupling the inner tube (11) and the outer tube (12). Multiple pressure-absorbing fluid chambers (35, 36), whose walls are partly formed by the elastic body (13), are disposed inside the outer tube (12), and include a pair of first pressure-absorbing fluid chambers (35) interconnected through first restricting passages (37), and a second pressure-absorbing fluid chamber (36) connected to an auxiliary fluid chamber (28), in which a fluid is filled, through a second restricting passage. The pair of first pressure-absorbing fluid chambers (35) are disposed to sandwich the inner tube (11) therebetween. The second pressure-absorbing fluid chamber (36) is arranged in parallel to the inner tube (11) in an orthogonal direction (C) perpendicular to both an axial direction of the inner tube (11) and a sandwiching direction (B) in which the inner tube (11) is sandwiched between the pair of first pressure-absorbing fluid chambers (35). The inner tube (11) runs along overall lengths of the pair of first pressure-absorbing fluid chambers (35) and the second pressure-absorbing fluid chamber (36) in the axial direction.

IPC 8 full level
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EP 2733381 A1 20140521; **EP 2733381 A4 20150701**; **EP 2733381 B1 20170104**; CN 103703271 A 20140402; CN 103703271 B 20150617; JP 5665989 B2 20150204; JP WO2013011976 A1 20150223; US 2014159290 A1 20140612; US 9038995 B2 20150526; WO 2013011976 A1 20130124

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